

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	1	1497	carbon\$5 adj support	USPAT	2003/03/19 15:36
2	IS&R	22	1692	(210/198.2).CCLS.	USPAT	2003/03/19 15:36
3	BRS	3	10	1 and 2	USPAT	2003/03/19 15:40
4	IS&R	24	1	("4225463").PN.	USPAT	2003/03/19 15:41
5	IS&R	25	1932	(210/656-659).CCLS.	USPAT	2003/03/19 15:42
6	IS&R	26	112	(210/635).CCLS.	USPAT	2003/03/19 15:42
7	BRS	27	2564	2 or 5 or 6	USPAT	2003/03/19 15:42
8	BRS	28	2	8 not 3	USPAT	2003/03/19 15:43
9	BRS	28	16	1 and 7	USPAT	2003/03/19 15:45
10	BRS	110	176	carbon\$5 adj bead	USPAT	2003/03/19 15:47
11	BRS	111	14	7 and 10	USPAT	2003/03/19 15:47

	Comments	Error Definition	Errors
1			0
2			0
3			0
4			0
5			0
6			0
7			0
8			0
9			0
10			0
11			0

L Number	Search Text	DB	Time stamp
1	carbon\$5 adj support	USPAT	2003/03/19 15:36
2	(210/198.2).CCLS.	USPAT	2003/03/19 15:36
3	((carbon\$5 adj support) and (210/198.2).CCLS.)	USPAT	2003/03/19 15:40
4	("4125463").PN.	USPAT	2003/03/19 15:41
5	(210/656-659).CCLS.	USPAT	2003/03/19 15:42
6	(210/635).CCLS.	USPAT	2003/03/19 15:42
7	((210/198.2).CCLS.) or ((210/656-659).CCLS.) or ((210/635).CCLS.)	USPAT	2003/03/19 15:43
9	((carbon\$5 adj support) and ((210/198.2).CCLS.) or ((210/656-659).CCLS.) or ((210/635).CCLS.))) not ((carbon\$5 adj support) and ((210/198.2).CCLS.))	USPAT	2003/03/19 15:43
8	((carbon\$5 adj support) and ((210/198.2).CCLS.) or ((210/656-659).CCLS.) or ((210/635).CCLS.))	USPAT	2003/03/19 15:45
10	carbon\$5 adj bead	USPAT	2003/03/19 15:47
11	((210/198.2).CCLS.) or ((210/656-659).CCLS.) or ((210/635).CCLS.)) and (carbon\$5 adj bead)	USPAT	2003/03/19 15:47

L Number	Search Text	DB	Time stamp
1	carbon\$5 adj support	USPAT	2003/03/19 15:36
2	(210/198.2).CCLS.	USPAT	2003/03/19 15:36
3	((carbon\$5 adj support) and (210/198.2).CCLS.)	USPAT	2003/03/19 15:40
4	("4.25463").PN.	USPAT	2003/03/19 15:41
5	(210/656-659).CCLS.	USPAT	2003/03/19 15:42
6	(210/635).CCLS.	USPAT	2003/03/19 15:42
7	((210/198.2).CCLS.) or (210/656-659).CCLS.) or (210/635).CCLS.)	USPAT	2003/03/19 15:43
9	((carbon\$5 adj support) and (210/198.2).CCLS.) or (210/656-659).CCLS.) or (210/635).CCLS.))) not ((carbon\$5 adj support) and ((210/198.2).CCLS.))	USPAT	2003/03/19 15:43
8	((carbon\$5 adj support) and (210/198.2).CCLS.) or (210/656-659).CCLS.) or (210/635).CCLS.))	USPAT	2003/03/19 15:45
10	carbon\$5 adj bead	USPAT	2003/03/19 15:47
11	((210/198.2).CCLS.) or (210/656-659).CCLS.) or (210/635).CCLS.)) and (carbon\$5 adj bead)	USPAT	2003/03/19 15:47

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	1	197	carbon\$5 adj support	USPAT	2003/03/19 15:36
2	IS&R	1	192	(210/198.2).CCLS.	USPAT	2003/03/19 15:36
3	BRS	1	1	1 and 2	USPAT	2003/03/19 15:40
4	IS&R	1	1	("4225463").PN.	USPAT	2003/03/19 15:41
5	IS&R	1	1932	(210/656-659).CCLS.	USPAT	2003/03/19 15:42
6	IS&R	1	12	(210/635).CCLS.	USPAT	2003/03/19 15:42
7	BRS	1	164	2 or 5 or 6	USPAT	2003/03/19 15:42
8	BRS	1	1	8 not 3	USPAT	2003/03/19 15:43
9	BRS	1	1	1 and 7	USPAT	2003/03/19 15:45
10	BRS	1	16	carbon\$5 adj bead	USPAT	2003/03/19 15:47
11	BRS	1	14	7 and 10	USPAT	2003/03/19 15:47

	Comments	Error Definition	Errors
1			0
2			0
3			0
4			0
5			0
6			0
7			0
8			0
9			0
10			0
11			0

US-PAT-NO: RE34910
DOCUMENT-IDENTIFIER: US RE34910 E

TITLE: Carbon-clad zirconium oxide particles

DATE-ISSUED: April 18, 1995

US-CL-CURRENT: 210/198.2; 210/502.1 ; 210/635 ; 210/656 ;
502/159 ; 502/182
; 502/402 ; 502/416 ; 502/417

APPL-NO: 08/ 042087

DATE FILED: April 1, 1993

REISSUE-DATA:

US-PAT-NO: 05108597
DATE-ISSUED: April 28, 1992
APPL-NO: 497594
DATE-FILED: March 22, 1990

----- KWIC -----

Brief Summary Text - BSTX:

The use of pyrocarbon-reinforced carbon-based supports for HPLC is also known.
For example, K. Unger et al. (U.S. Pat. No. 4,225,463) disclose porous carbon support materials based on activated carbons and/or cokes, which may be useful for HPLC. The materials are prepared by treating hard activated carbon or coke particles with solvents, and then heating them at 2400.degree.-3000.degree. C. under an inert gas atmosphere. The resulting support materials are disclosed as having a carbon content of at least 99 percent, a specific surface area of about 1-5 m.sup.2 per gram, and a particle size of about 5-50 .mu.m (column 2, lines 3-5).

Detailed Description Text - DETX:

In order to test the chromatographic nature of the carbon-clad support material of the present invention, a chromatographic study was performed using a 5.times.0.46 cm HPLC column packed with the carbon-clad ZrO.sub.2 spherules of Example 9 (toluene carbon source) as the stationary phase. A 70/30 (% v/% v) tetrahydrofuran/water solution at 35.degree. C. was used as the mobile phase.

Current US Original Classification - CCOR:

210/198.2